BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Improvements to Drains & Culverts in Ward No.05, Byatarayanapura Sub Division

		Estimate Cost Rs.						4000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per	Cum							
	Culverts								
	Near Chokkanahalli Village		2	6.50	2.00	1.05	27.30		
	Kogilu Circle		1	6.50	2.00	1.05	13.65		
	Sirinagara		2	6.50	2.00	1.05	27.30		
	Anjanadri Layout		2	6.50	2.00	1.05	27.30		
	Palanahalli		1	6.50	2.00	1.05	13.65		
	Brundavana Collage		1	6.50	2.00	1.05	13.65		
	Jakkur		1	6.50	2.00	1.05	13.65		
	Agrahara layout		5	6.50	2.00	1.05	68.25		
	Kuvempunagara (Kattigenahalli)		2	6.50	2.00	1.05	27.30		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		1	108.00	2.00	1.05	226.80		
	SSM Drain Desilting								
	Agrahara layout Kallappa Reddy House Road		1	100.00	0.65	0.75	48.75		
	BS Slab Drain								
	SLV Appartments		1	150.00	0.75	0.80	90.00		
	Krishna nagara		1	250.00	0.80	0.80	160.00		
							756.25	264.60	**200104.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
2	roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**							
	SLV Appartments		1	150.00	1.65		247.50		
	Krishna nagara		1	250.00	1.65		412.50		
							660.00	639.36	**421978.00**
	Basic Rate	592.00							
	Area Weightage @ 8%	47.36							
	Total	**639.36**							
3	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-	**Cum**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culverts								
	Near Chokkanahalli Village		2	6.50	2.00	0.15	3.90		
	Kogilu Circle		1	6.50	2.00	0.15	1.95		
	Sirinagara		2	6.50	2.00	0.15	3.90		
	Anjanadri Layout		2	6.50	2.00	0.15	3.90		
	Palanahalli		1	6.50	2.00	0.15	1.95		
	Brundavana Collage		1	6.50	2.00	0.15	1.95		
	Jakkur		1	6.50	2.00	0.15	1.95		
	Agrahara layout		5	6.50	2.00	0.15	9.75		
	Kuvempunagara (Kattigenahalli)		2	6.50	2.00	0.15	3.90		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		1	108.00	2.00	0.15	32.40		
	SSM Drain Desilting								
	Agrahara layout Kallappa Reddy House Road		1	100.00	0.65	0.15	9.75		
							75.89	4847.04	**367842.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item	cum							
	Culverts								
	Near Chokkanahalli Village		4	6.50	0.60	0.45	7.02		
	Kogilu Circle		2	6.50	0.60	0.45	3.51		
	Sirinagara		4	6.50	0.60	0.45	7.02		
	Anjanadri Layout		4	6.50	0.60	0.45	7.02		
	Palanahalli		2	6.50	0.60	0.45	3.51		
	Brundavana Collage		2	6.50	0.60	0.45	3.51		
	Jakkur		2	6.50	0.60	0.45	3.51		
	Agrahara layout		10	6.50	0.60	0.45	17.55		
	Kuvempunagara (Kattigenahalli)		4	6.50	0.60	0.45	7.02		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		2	108.00	0.60	0.45	58.32		
	Raising Course								
	Agrahara layout Kallappa Reddy House Road		1	100.00	0.65	0.45	29.25		
							146.34	3836.16	**561384.00**
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16							
	Total	**3836.16**							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item	**Sqm**							
	Culverts								
	Near Chokkanahalli Village		4	6.50	0.50	0.45	5.85		
	Kogilu Circle		2	6.50	0.50	0.45	2.93		
	Sirinagara		4	6.50	0.50	0.45	5.85		
	Anjanadri Layout		4	6.50	0.50	0.45	5.85		
	Palanahalli		2	6.50	0.50	0.45	2.93		
	Brundavana Collage		2	6.50	0.50	0.45	2.93		
	Jakkur		2	6.50	0.50	0.45	2.93		
	Agrahara layout		10	6.50	0.50	0.45	14.63		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Kuvempunagara (Kattigenahalli)		4	6.50	0.50	0.45	5.85		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		2	108.00	0.50	0.45	48.60		
	Raising Course								
	Agrahara layout Kallappa Reddy House Road		2	100.00	0.50	0.35	35.00		
							133.20	**4542.48**	**605058.00**
	Basic Rate	4206.00							
	Area Weightage @ 8%	336.48							
	Total	**4542.48**							
6	centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2014-15	**Sqm**							
	Culverts								
	Near Chokkanahalli Village		2	6.50	0.60		7.80		
	Kogilu Circle		1	6.50	0.60		3.90		
	Sirinagara		2	6.50	0.60		7.80		
	Anjanadri Layout		2	6.50	0.60		7.80		
	Palanahalli		1	6.50	0.60		3.90		
	Brundavana Collage		1	6.50	0.60		3.90		
	Jakkur		1	6.50	0.60		3.90		
	Agrahara layout		5	6.50	0.60		19.50		
	Kuvempunagara (Kattigenahalli)		2	6.50	0.60		7.80		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		1	108.00	0.60		64.80		
	Culverts								
	Near Chokkanahalli Village		4	6.50	0.25		6.50		
			4	1.65	0.25		1.65		
	Kogilu Circle		2	6.50	0.25		3.25		
			2	1.65	0.25		0.83		
	Sirinagara		4	6.50	0.25		6.50		
			4	1.65	0.25		1.65		
	Anjanadri Layout		4	6.50	0.25		6.50		
			4	1.65	0.25		1.65		
	Palanahalli		2	6.50	0.25		3.25		
			2	1.65	0.25		0.83		
	Brundavana Collage		2	6.50	0.25		3.25		
			2	1.65	0.25		0.83		
	Jakkur		2	6.50	0.25		3.25		
			2	1.65	0.25		0.83		
	Agrahara layout		10	6.50	0.25		16.25		
			10	1.65	0.25		4.13		
	Kuvempunagara (Kattigenahalli)		4	6.50	0.25		6.50		
			4	1.65	0.25		1.65		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		2	108.00	0.25		54.00		
			2	1.65	0.25		0.83		
							260.07	**260.28**	**67691.00**
	Basic Rate	**241.00**							
	Area Weightage @ 8%	19.28							
	Total	**260.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix **1:3:6** withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR	cum							
	Culverts								
	Near Chokkanahalli Village		4	6.50	0.50	0.10	1.30		
	Kogilu Circle		2	6.50	0.50	0.10	0.65		
	Sirinagara		4	6.50	0.50	0.10	1.30		
	Anjanadri Layout		4	6.50	0.50	0.10	1.30		
	Palanahalli		2	6.50	0.50	0.10	0.65		
	Brundavana Collage		2	6.50	0.50	0.10	0.65		
	Jakkur		2	6.50	0.50	0.10	0.65		
	Agrahara layout		10	6.50	0.50	0.10	3.25		
	Kuvempunagara (Kattigenahalli)		4	6.50	0.50	0.10	1.30		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		2	108.00	0.50	0.10	10.80		
	Raising Course								
	Agrahara layout Kallappa Reddy House Road		2	100.00	0.50	0.10	10.00		
	For Vent								
	Culverts								
	Near Chokkanahalli Village		2	6.50	0.60	0.10	0.78		
	Kogilu Circle		1	6.50	0.60	0.10	0.39		
	Sirinagara		2	6.50	0.60	0.10	0.78		
	Anjanadri Layout		2	6.50	0.60	0.10	0.78		
	Palanahalli		1	6.50	0.60	0.10	0.39		
	Brundavana Collage		1	6.50	0.60	0.10	0.39		
	Jakkur		1	6.50	0.60	0.10	0.39		
	Agrahara layout		5	6.50	0.60	0.10	1.95		
	Kuvempunagara (Kattigenahalli)		2	6.50	0.60	0.10	0.78		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		1	108.00	0.60	0.10	6.48		
							44.36	5287.68	**234561.00**
	Basic Rate	4896.00							
	Area Weightage @ 8%	391.68							
	Total	**5287.68**							
8	KSRB 15.1.3: Providing **FLush pointing** to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/	Sqm							
	Culverts								
	Near Chokkanahalli Village		4	6.50		0.60	15.60		
	Kogilu Circle		2	6.50		0.60	7.80		
	Sirinagara		4	6.50		0.60	15.60		
	Anjanadri Layout		4	6.50		0.60	15.60		
	Palanahalli		2	6.50		0.60	7.80		
	Brundavana Collage		2	6.50		0.60	7.80		
	Jakkur		2	6.50		0.60	7.80		
	Agrahara layout		10	6.50		0.60	39.00		
	Kuvempunagara (Kattigenahalli)		4	6.50		0.60	15.60		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		2	108.00		0.80	172.80		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Agrahara layout Kallappa Reddy House Road		1	100.00		0.80	80.00		
							381.00	91.80	**34976.00**
	Basic Rate	85.00							
	Area Weightage @ 8%	6.80							
	Total	**91.80**							
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR**	**Cum**							
	Culverts								
	Near Chokkanahalli Village		2	6.50	1.65	0.23	4.93		
	Kogilu Circle		1	6.50	1.65	0.23	2.47		
	Sirinagara		2	6.50	1.65	0.23	4.93		
	Anjanadri Layout		2	6.50	1.65	0.23	4.93		
	Palanahalli		1	6.50	1.65	0.23	2.47		
	Brundavana Collage		1	6.50	1.65	0.23	2.47		
	Jakkur		1	6.50	1.65	0.23	2.47		
	Agrahara layout		5	6.50	1.70	0.23	12.71		
	Kuvempunagara (Kattigenahalli)		2	6.50	1.65	0.23	4.93		
	SSM Drain								
	Sampigehalli Chokkanahalli Main Road		1	108.00	1.65	0.23	40.99		
							83.87	6065.28	**508695.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2014-15	**Qtl**							
	0.90Ton/Cum		0.090	83.87			**7.55**	78351.84	**591423.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Kallappa Reddy Main Road		1	140.00	1.20		168.00		
							168.00	1856.67	**311921.00**
	Data Rate	**1856.67**							
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1				**756.25**		
							756.25	68.12	**51516.00**
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2014-15 (P.130/I.17.1) For loading and unloading	63.00							
	Total	**68.12**							
							Grand Total		**3957153.00**
13	For 1% Third Party Charges								39572.00
14	Miscesallaneous Charges	L/S							3275.00
								Total	**4000000.00**

Rupees Forty Lakh(s) Only

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2014-15
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬೃ.ಬೆ.ಮ.ಪಾ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

ADMINISTRATIVELY SANCTIONED FOR Rs 40.00 lacs
Rupees Forty lacks only
Under P. 3089
Registered as EE ( ) No ...9...
Subject to conditions contained in
enclosed memo EE ( ) No /9/...
Dt Estimate A/Sanctioned
JC(Yel)/A/10/2015-16
dated 20/8/2015 Rs 40.00 lacs

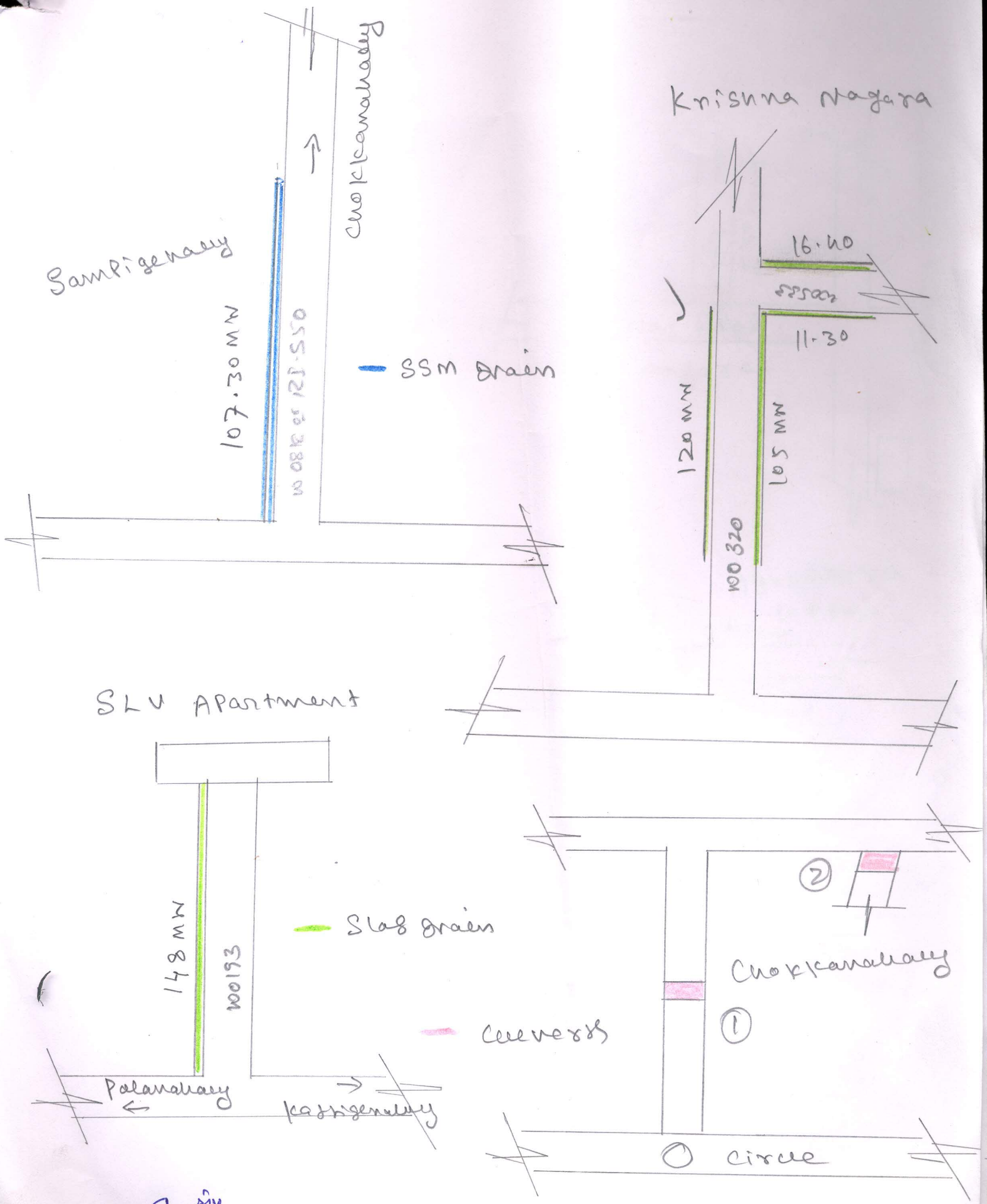
Technical Sanction
Accorded For 40.00 lakh Rs.
Head of A/C P3089
CER NO : 21 Dt: 21.8.15

CE (YNK)

TA

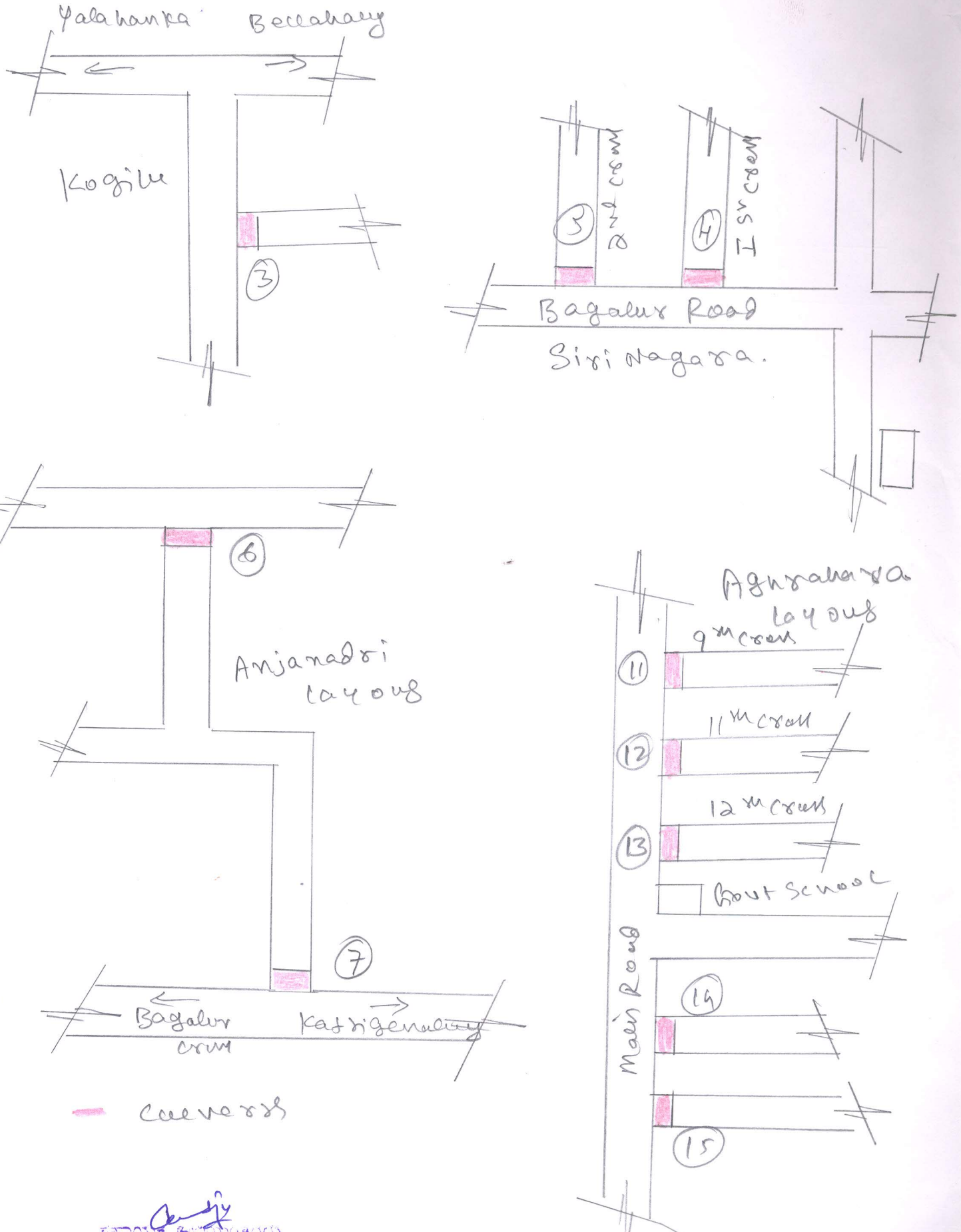
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Improvements to drains and culverts in Ward No. 05 Byatarayanapura Sub division



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Improvements to Drains and Culverts in Wards of Byatarayanapura Sub Division



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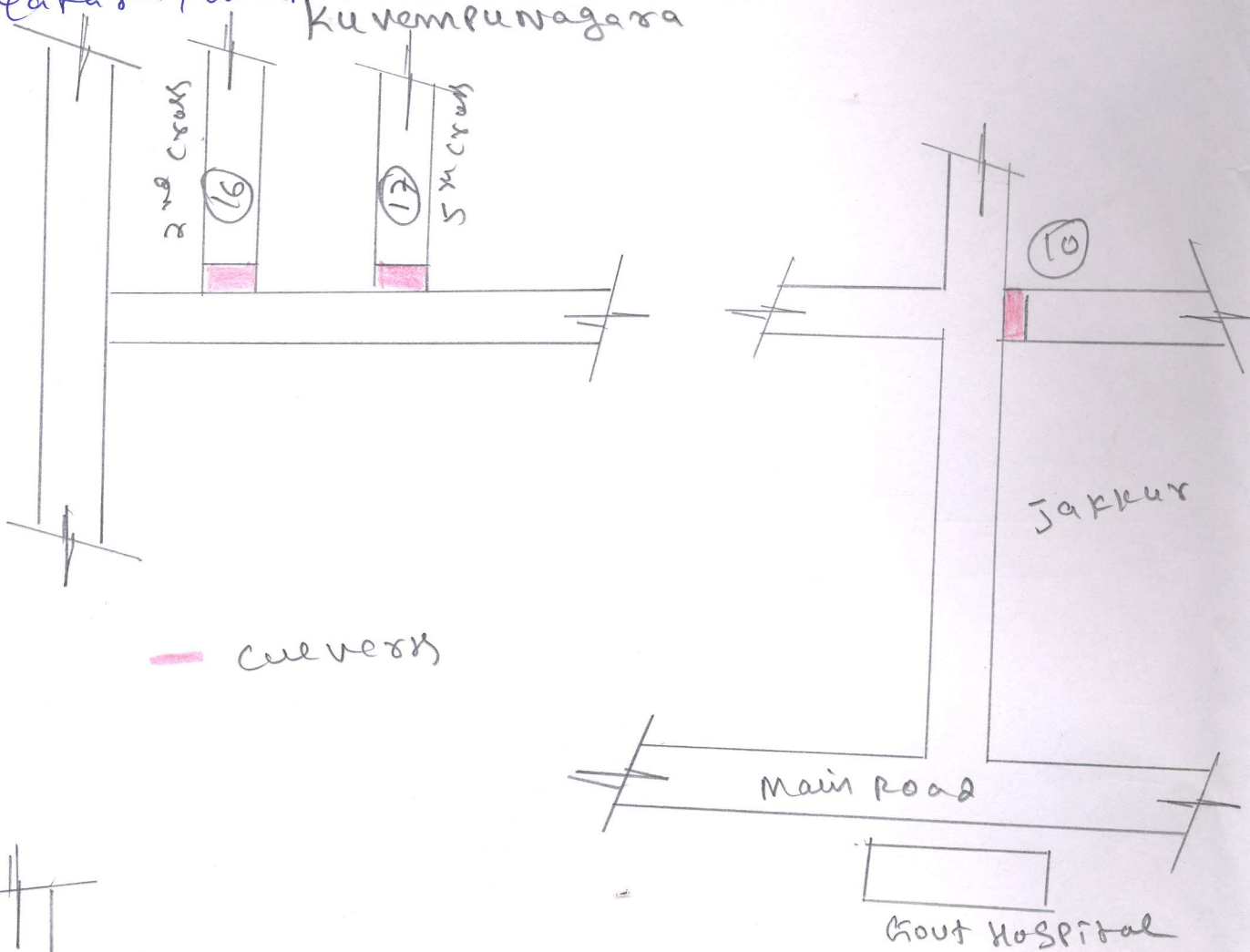
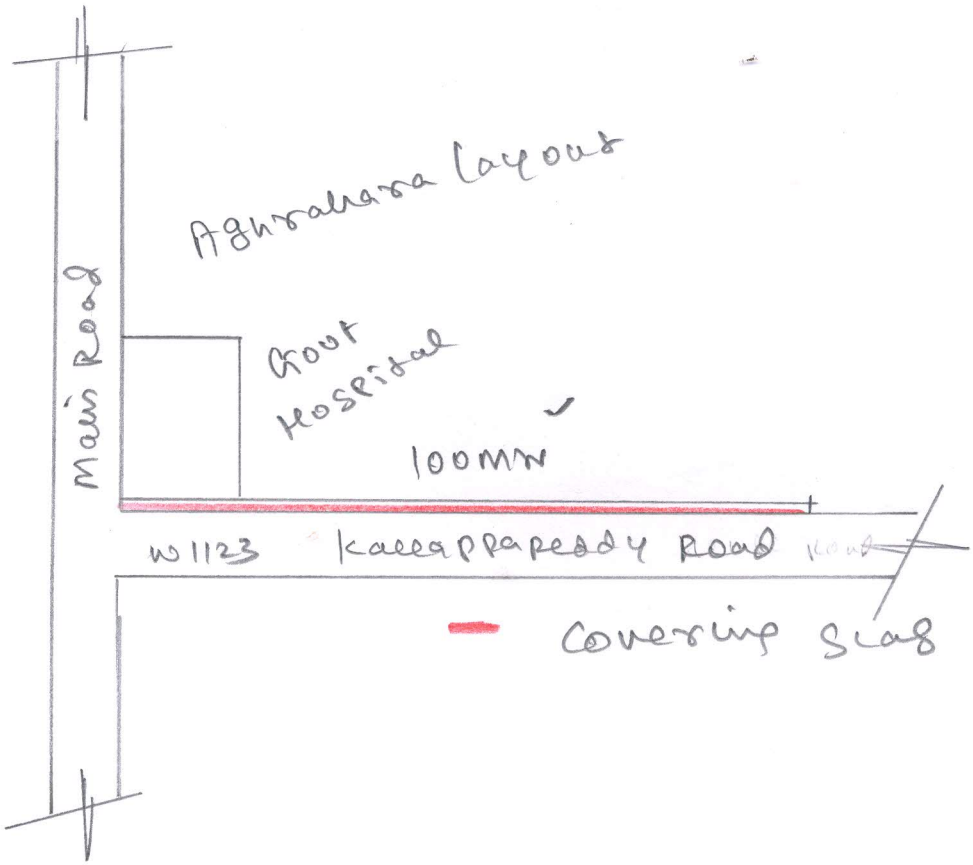
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Improvements to drain and culverts in ward no. 05 Byatarayanapura sub division



— culverts



— Covering Slab

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ